| Substitute            | for Form 1449 | 9/PTO        |                                       | Complete if Known     |  |  |  |  |  |
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|                       | INFOF         | A RAS        | TION DISCLOSUR                        | Application Number    | 09/732,773                                 |  |  |  |  |
| 1P                    | 2             |              |                                       | Filing Date           | 12/11/2000                                 |  |  |  |  |
| 0''                   | ITATE?        | EME          | ENT BY APPLICAN                       | First Named Inventor: | Chang Hee Lee                              |  |  |  |  |
| B D alla              | mm &          | (use as      | s many sheets as necessary)           | Art Unit              | 2633                                       |  |  |  |  |
| AUG 0 B               | 21            |              |                                       | Examiner Name         | Jason Chan                                 |  |  |  |  |
| Sizeet                | 1 04          |              | of                                    | 2                     | Attorney Docket Number                     | EM/LEE/6287                            |  |  |  |
| B TRAC                |               |              | . US PATER                            | IT DOCUMENTS          |  | ** *********************************** |  |  |  |
| Fuerine               | Cite No.      | 1            | 0.0.1 ATE                             | Publication Date      | Name of Patentee or Pages, Columns, Lines, |  |  |  |  |
| Examiner<br>Initials* | Cité No.      | 1            | Document Number                       | MM-DD-YYYY            | Applicant of Cited Document                | Where Relevant                         |  |  |  |
| muais                 |               | -            | Document Number                       | 1 14114-00-11-11      | Applicant of Cited Document                | Passages or Relevant                   |  |  |  |
|                       |               | Num          | ber-Kind Code <sup>2</sup> (If known) |                       | ,  | Figures Appear                         |  |  |  |
|                       |               | Wuiti        | Del-Kilid Code (ii kilowii)           |                       |  | i igoros Appour                        |  |  |  |
| Jes                   |               | US-          | 5,436,760                             | 07/25/1995            | Nakabayashi                                | _                                      |  |  |  |
| 1,                    |               | US-          | 5,276,543                             | 01/04/1994            | Olshansky                                  |  |  |  |  |
|                       |               | US-          | 5,550,666                             | 08/27/1996            | Zirngibl                                   |  |  |  |  |
|                       |               | US-          | 6,097,523                             | 08/01/2000            | Boot                                       |  |  |  |  |
|                       |               | US-          | 2001/0004290 A1                       | 06/21/2001            | Lee, et al.                                |  |  |  |  |
|                       |               | US-          | 5,202,780                             | 04/13/1993            | Fussganger                                 |  |  |  |  |
|                       |               | US-          | 5,221,983                             | 06/22/1993            | Wagner                                     |  |  |  |  |
|                       |               | US-          | 5,321,541                             | 06/14/1994            | Cohen                                      |  |  |  |  |
|                       |               | US-          | 5,440,417                             | 08/08/1995            | Chung, et al.                              |  |  |  |  |
|                       |               | US-          | 5,661,585                             | 08/26/1997            | Feldman, et al.                            |  |  |  |  |
| L L                   |               | US-          | 5,694,234                             | 12/02/1997            | Darcie, et al.                             |  |  |  |  |
| ***                   |               | US 5,880,865 |                                       | 03/09/1999            | Lu, et al.                                 |  |  |  |  |
|                       |               | US-          |                                       |                       |  |  |  |  |  |
|                       |               | US-          |                                       |                       |  |  |  |  |  |
|                       |               | US-          |                                       |                       |  |  |  |  |  |

|                       |              | FO:  | REIGN PATENT                | DOCUMENTS  |  |    |
|-----------------------|--------------|--|-----------------------------|--|--|----|
| Examiner<br>Initiats* | Cite<br>No.' | Foreign Patent Document  | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant | T۰ |
|                       |              | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup><br>(if known) | WWW.DD-1111                 |  | Figures Appear   |    |
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| Examiner  |        |   |                     | I    | Date Cons | idered |      |
| Signature | J. Fun | ~ |                     | 1    | 12/10/    | 04     |      |
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| Substitute for Form 1449/PTO    |   |                |                         |            | Complete if Known             |   |              |                |          |      |  |
| INFORMATION DISCLOSURE          |   |                |                         |            | Application Number 09/732,773 |   |              |                |          |      |  |
|                                 |   |                |                         |            |                               | Filing Date   |              | 12/11/2000     |          |      |  |
| OSTATEMENT BY APPLICANT         |   |                |                         |            |                               | First Named Invent  | or:          | Chang Hee Lee  |          |      |  |
| AUG 0 8 2003 😅                  |   |                |                         |            | Art Unit                      |   | 2633         |                |          |      |  |
| AUD U U MOO                     |   |                |                         |            |                               | Examiner Name   |              | Jason Chan     |          |      |  |
| Sheet                           |   |                | <u> </u>                | 2          |                               | Attorney Docket Nu  | mber         | EM/LEE/628     | 7        |      |  |
| NON PATENT LITERATURE DOCUMENTS |   |                |                         |            |                               |   |              |                |          |      |  |
| Examiner<br>Initials*           | Initials* No <sup>1</sup> item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |                |                         |            |                               |   |              |                |          |      |  |
| Def                             |   | Semio<br>(Augu | onductor (<br>st 2000). | Laser, "IE | EE Photo                      | M Source With An Anion Technology Let                     | ters, pp. 10 | 67-69, Vol. 12 | 2, No. 8 |      |  |
| Dep                             |   | Divisio        | n Multiple              |            | road-Ban                      | luation of Architect<br>d Fiber Access," Jo<br>ber 1998). |              |                |          |      |  |
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